Technical Intern at Amazon

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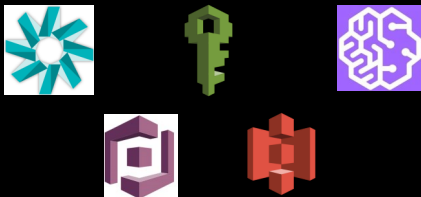
UNIVERSITY of WASHINGTON

AWS

ABOUT THE TEAM

I joined team of solution architects, who have both technical and interpersonal skills to help AWS customers by crafting scalable, flexible and resilient architecture to address the customers business problem and accelerate the adoption of AWS.
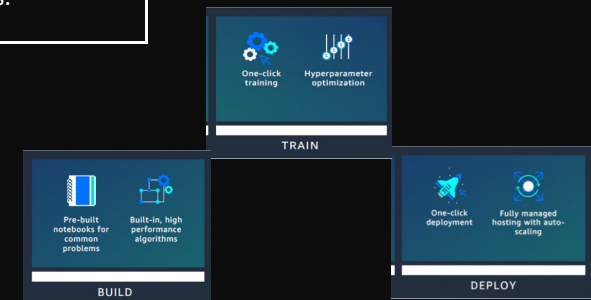
TECHNOLOGY & TOOLS

Programing language: Python

PROJECT

- Machine learning model that is able to categorize recyclable objects as paper, plastic, metal, cardboard, or glass.

- Fast and scalable

- Our customer is recycling company who is looking to replace human pickers with robot.

- This project is a tutorial to relate real time problems with the tools on AWS, and learn how to architect resilient and scalable system based on the customer's requirements.

Amazon Cognito — Amazon SageMaker

BUILD: Pre-built notebooks for common problems, Built-in, high performance algorithms
TRAIN: One-click training, Hyperparameter optimization
DEPLOY: One-click deployment, Fully managed hosting with auto-scaling

ACKNOWLEDGMENT

- I would like to appreciate my faculty advisor, Mark Kochanski, for being there and guiding me through this process beyond what is required.

- Amazon, specially the solutions architect team at the Chicago office, and fellow interns.

ABOUT AMAZON WEB SERVICES

Amazon Web Services: is the world's most comprehensive and broadly adopted cloud platform, offering over 175 fully featured services from data centers globally. Millions of customers—including the fastest-growing startups, largest enterprises, and leading government agencies—are using AWS to lower costs, become more agile, and innovate faster.

WHAT I LEARNED

- The concept of cloud.

- Machine learning

- Teamwork

- Adapting change